

CDF Run II Preliminary, 1.9fb^{-1}

Lepton + Photon + E_T + b Events, Isolated Leptons			
Standard Model Source	$e\gamma bE_T$	$\mu\gamma bE_T$	$(e + \mu)\gamma bE_T$
$t\bar{t}\gamma$ semileptonic	2.06 ± 0.38	1.52 ± 0.28	3.58 ± 0.65
$t\bar{t}\gamma$ dileptonic	1.30 ± 0.23	1.02 ± 0.18	2.32 ± 0.41
$W^\pm c\gamma$	0.75 ± 0.16	0.72 ± 0.15	1.47 ± 0.26
$W^\pm cc\gamma$	0.08 ± 0.04	0.22 ± 0.06	0.30 ± 0.08
$W^\pm bb\gamma$	0.62 ± 0.11	0.42 ± 0.08	1.04 ± 0.17
$Z(\tau\tau)\gamma$	0.13 ± 0.09	0.11 ± 0.08	0.24 ± 0.12
WZ	0.08 ± 0.04	0.01 ± 0.01	0.09 ± 0.04
$\tau \rightarrow \gamma$ fake	0.12 ± 0.01	0.10 ± 0.01	0.22 ± 0.01
Jet faking γ ($ejE_Tb, j \rightarrow \gamma$)	4.56 ± 1.92	3.02 ± 1.19	7.58 ± 3.11
MisTags	4.11 ± 0.41	3.54 ± 0.37	7.65 ± 0.70
QCD(Jets faking ℓ and E_T)	1.49 ± 0.77	0 ± 1	1.49 ± 1.30
$eeE_Tb, e \rightarrow \gamma$	1.50 ± 0.28	—	1.50 ± 0.28
$\mu e E_T b, e \rightarrow \gamma$	—	0.45 ± 0.10	0.45 ± 0.10
Total SM Prediction	$16.8 \pm 2.2(tot)$	$11.1 \pm 1.7(tot)$	$27.9 \pm 3.6(tot)$
Observed in Data	16	12	28